AMENDMENT to the CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended)   A computer-implemented method for converting a multilingual unidirectional domain name to a multilingual bidirectional domain name, [[said]] the method comprising:

receiving into a computer storage memory device a multilingual unidirectional World Wide Web address, [[said]] the unidirectional World Wide Web address comprising a Uniform Resource Locator or a domain name and comprising characters from at least two character sets having at least two different display orders;

breaking by a computer [[said]] the unidirectional World Wide Web address into a plurality of labels delimited by a pre-determined full stop punctuation mark between [[said]] the labels, [[said]] the labels having an original label display order as encountered from left to right, [[said]] the labels containing a plurality of characters wherein each character has a determinate display order or an indeterminate display order, [[said]] the full stop punctuation mark excluding a hyphen-minus character;

within at least one of [[said]] the plurality of labels, performing inferencing through resolving display directions of indeterminate display order characters by assigning a strong direction left-to-right display order to each indeterminate display order character;

subsequent to [[said]] the resolving, converting [[said]] the multilingual unidirectional World Wide Web address to a multilingual bidirectional World Wide Web address by reordering by a computer [[said]] the characters within each [[said]] the label into a display order using the fully resolved characters previously inferenced wherein [[said]] the original label display order is preserved and bidirectionality of characters within each label is produced; and

displaying [[said]] the multilingual bidirectional World Wide Web address on a computer display.

2. (currently amended) The method as set forth in Claim 1 wherein [[said]] the inferencing comprises:

> first, assigning a right-to-left direction to Arabic and Hebrew letters;
>
> second, assigning a left-to-right direction to full stop characters and other alphabetic characters;
>
> third, resolving the directions of digits; and
>
> fourth, resolving the directions of hyphen-minus characters.

3. (currently amended) The method as set forth in Claim 2 wherein [[said]] the resolving directions of digits comprises:

> assigning a right-to-left direction to Arabic numerals; and
>
> assigning a left-to-right direction to European numerals, unless a European numeral is surrounded by right-to-left characters such as Arabic or Hebrew letters, in which case assigning a right-to-left direction.

4. (currently amended) The method as set forth in Claim 2 wherein [[said]] the resolving directions of hyphen-minus characters comprises:

> assigning a left-to-right direction to all hyphen-minus characters which are not surrounded by characters whose direction is right-to-left; and
>
> assigning a right-to-left direction to all hyphen-minus characters which are surrounded by characters whose direction is right-to-left.

5. (currently amended) A computer readable storage memory comprising:

a computer storage memory ~~device~~ suitable for encoding computer programs; and

one or more computer programs encoded by [[said]] the computer memory storage ~~device~~,

[[said]] the computer program:

receiving into a computer storage memory ~~device~~ a multilingual unidirectional World Wide Web address, [[said]] the unidirectional World Wide Web address comprising a Uniform Resource Locator or a domain name and comprising characters from at least two character sets having at least two different display orders;

breaking by a computer [[said]] the unidirectional World Wide Web address into a plurality of labels delimited by pre-determined full stop punctuation mark between [[said]] the labels, [[said]] the labels having an original label display order as encountered from left to right, [[said]] the labels containing a plurality of characters wherein each character has a determinate display order or an indeterminate display order, [[said]] the full stop punctuation mark excluding a hyphen-minus character;

within at least one of [[said]] the plurality of labels, performing inferencing through resolving   display directions of indeterminate display order characters by assigning a strong direction left-to-right display order to each indeterminate display order character;

subsequent to [[said]] the resolving, converting [[said]] the multilingual unidirectional World Wide Web address to a multilingual bidirectional World Wide Web address by reordering by a computer [[said]] the characters within each [[said]] the label into a display order using the fully resolved characters previously inferenced wherein [[said]] the original label display order is preserved and bidirectionality of characters within each label is produced; and

displaying [[said]] the multilingual bidirectional World Wide Web address on a computer display.

6. (currently amended) The computer readable storage memory as set forth in Claim 5 wherein [[said]] the inferencing comprises:

first, assigning a right-to-left direction to Arabic and Hebrew letters;

second, assigning a left-to-right direction to full stop characters and other alphabetic characters;

third, resolving the directions of digits; and

fourth, resolving the directions of hyphen-minus characters.

7. (currently amended) The computer readable memory as set forth in Claim 6 wherein [[said]] the resolving directions of digits comprises:

assigning a right-to-left direction to Arabic numerals; and

assigning a left-to-right direction to European numerals, unless a European numeral is surrounded by right-to-left characters such as Arabic or Hebrew letters, in which case assigning a right-to-left direction.

8. (currently amended) The computer readable memory as set forth in Claim 6 wherein [[said]] the resolving directions of hyphen-minus characters comprises:

assigning a left-to-right direction to all hyphen-minus characters which are not surrounded by characters whose direction is right-to-left; and

assigning a right-to-left direction to all hyphen-minus characters which are surrounded by characters whose direction is right-to-left.

9. (currently amended) A system which converts a unidirectional domain name to a bidirectional domain name comprising:

a computer platform having a central processing unit for performing logical processes;

an input portion of [[a]] the computing platform receiving into a computer storage memory ~~device~~ a multilingual unidirectional World Wide Web address, [[said]] the unidirectional World Wide Web address comprising a Uniform Resource Locator or a domain name and comprising characters from at least two character sets having at least two different display orders;

a label definer portion of [[a]] the computer platform breaking [[said]] the unidirectional World Wide Web address into a plurality of labels delimited by pre-determined full stop punctuation mark between [[said]] the labels, [[said]] the labels having an original label display order as encountered from left to right, [[said]] the labels containing a plurality of characters wherein each character has a determinate display order or an indeterminate display order, [[said]] the full stop punctuation mark excluding a hyphen-minus character;

an inferencer portion of [[a]] the computing platform performing within at least one of [[said]] the plurality of labels inferencing through resolving display directions of indeterminate display order characters by assigning a strong direction left-to-right display order to each indeterminate display order character;

a character reorderer portion of [[a]] the computing platform converting subsequent to [[said]] the resolving [[said]] the multilingual unidirectional World Wide Web address to a multilingual bidirectional World Wide Web address by reordering by a computer [[said]] the characters within each [[said]] the label into a display order using the fully resolved characters previously inferenced wherein [[said]] the original label display order is preserved and bidirectionality of characters within each label is produced; and

a user display portion of [[said]] the computing platform displaying [[said]] the multilingual bidirectional World Wide Web address on a computer display.

10. (currently amended) The system as set forth in Claim 9 wherein [[said]] the inferencer comprises:

> a first direction assignor assigning a right-to-left direction to Arabic and Hebrew
>> letters;
>
> a second direction assignor assigning a left-to-right direction to full stop characters and
>> other alphabetic characters;
>
> a third direction assignor resolving the directions of digits; and
>
> a fourth direction assignor for resolving the directions of hyphen-minus characters.

11. (currently amended) The system as set forth in Claim 10 wherein [[said]] the third direction assignor comprises:

> a right-to-left direction assignor operative on Arabic numerals, and for all
>> European numerals which are surrounded by right-to-left characters such as
>> Arabic and Hebrew letters; and
>
> a left-to-right direction assignor operative on European numerals which are not
>> surrounded by right-to-left characters such as Arabic or Hebrew letters.

12. (currently amended) The system as set forth in Claim 10 wherein [[said]] the fourth direction assignor comprises:

> a left-to-right direction assignor for hyphen-minus characters which are not surrounded
>> by characters whose direction is right-to-left; and
>
> a right-to-left direction assignor for hyphen-minus characters which are surrounded
>> by characters whose direction is right-to-left.

13. (currently amended) The method as set forth in Claim 1 wherein [[said]] the pre-determined full stop punctuation mark used as a delimiter between [[said]] the labels comprises a Latin period punctuation mark.

14. (currently amended) The computer-readable memory as set forth in Claim 5 wherein [[said]] the pre-determined full stop punctuation mark used as a delimiter between [[said]] the labels comprises a Latin period punctuation mark.

15. (currently amended) The system as set forth in Claim 9 wherein [[said]] the pre-determined full stop punctuation mark used as a delimiter between [[said]] the labels comprises a Latin period punctuation mark.